

PROFITABLE DAIRYING

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Judgment in Feeding

To accomplish the most profitable results from the dairy herd judgment must always be used in selecting and preparing the feeds which comprise the ration. It is not a new idea that cheap feeds are oftentimes more stimulating to great results than are those feeds which sell for high prices. There was a time when the feeder of the corn belt was misled into believing that there were certain feeds that if fed in small amounts had the power of producing great results. Consequently he was led to purchase in large amounts patent stock foods which cost him anywhere from \$100 to \$200 per ton. Ten years ago there were thousands of tons of such feed sold annually, but greatly to the credit of the present-day farmer and feeder, there is being very little of this food sold at the present time. The farmer realizes that all foodstuffs are made up of the same kinds of nutrients;

is aware of the fact that silage is one of the very best and cheapest feeds that can be supplied to farm animals. In Iowa there are to be found up to this year in the neighborhood of 1,200 silos on farms and during the present year there have been sold and erected on other Iowa farms in the neighborhood of 1,200 more and likely it is that during the coming year the number of silos in this state will be again doubled. The chief objection to the silo at the present time, and, in fact, the only objection that the writer has heard for some time, is that the first cost is a considerable expense—which is true. However, if one stops to compare the actual cost of storage space of foods for farm animals it is readily found that the silo is the cheapest structure that can be built upon the farm.

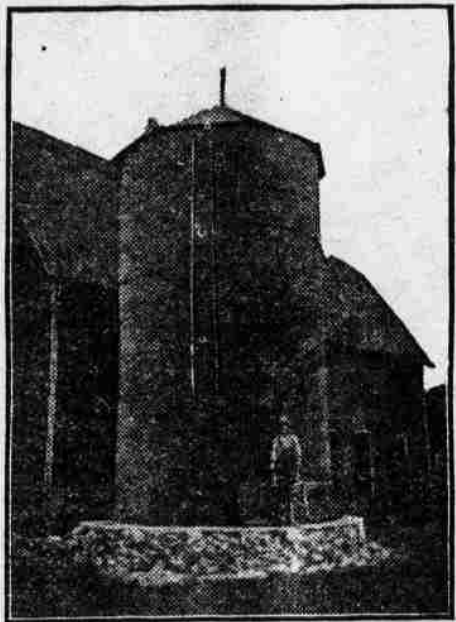
Capacity of the Silo.

It is a well-known fact that 400 cubic feet of barn space is required for the storage of one ton of clover hay; 50 cubic feet of silo space will suffice for the storage of one ton of silage; therefore it requires eight times as much storage space in the hay mow to store one ton of feed as it does in the silo. However, corn silage contains 80 per cent. of water and for this reason the silo will not contain as great an amount of dry matter in comparison, but we do find that one cubic foot of silo space contains as much dry matter as two cubic feet in the hay mow, and reduced to terms of digestible feeding nutrients, which in reality is the standpoint from which all foodstuffs should be figured, we find that one cubic foot of silage space will hold as many digestible feeding nutrients as two and one-third cubic feet of space in the hay mow. In consequence, if we were to build a hay mow that would hold as much feed as a 100-ton silo, it would be necessary to build a barn with a storage space for 800 tons of hay, or if we were to supply the same storage capacity as is found in a 100-ton silo for the storage of dry matter, a barn with a capacity of 200 tons of hay would be necessary. Figuring further, if we were to build a barn with the capacity for holding digestible feeding nutrients in amounts as great as could be stored in a 100-ton silo, it would be necessary to build a barn with the capacity to hold 233 1-3 tons of clover hay. This winter in particular demonstrates more clearly than most winters the value of a silo and the feeding nutrients that

There is one distinct advantage in corn silage which is not enumerated in its feeding analysis. That is the moisture or succulence which it contains. The American feeder has not realized in the past the great value of succulence added to the ration of his farm animals. It is a common saying that animals fed largely for a long time on dry corn become burnt out, and true it is that their digestive apparatus has become more or less impaired. This result is overcome by the feeding of succulent foods, which fact has been recognized by feeders of the older countries for many years. Rations for dairy animals as well as for other farm animals in Scotland, England, Ireland and other countries across the water are made up largely of beets, mangos and carrots.

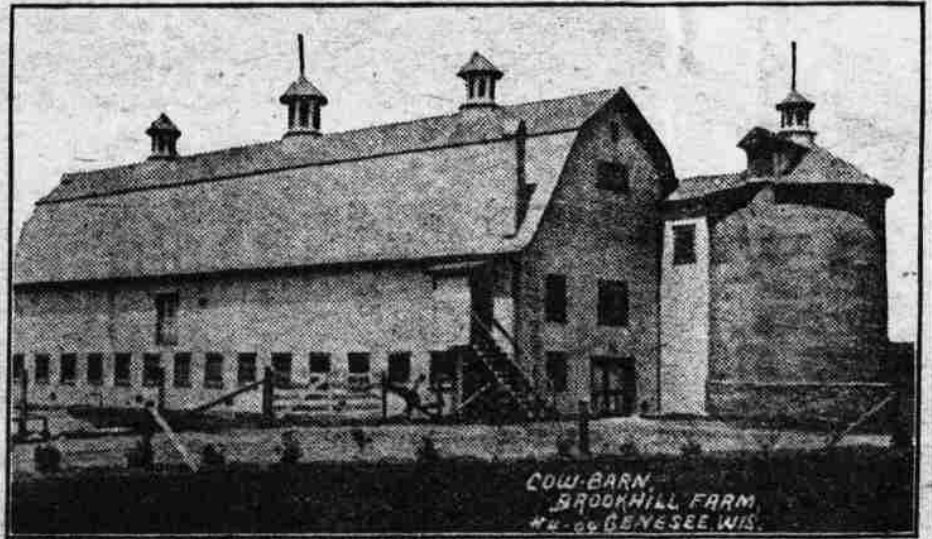
Prominence of the Silo.

In the eastern sections of the United States, or more truly in the dairy districts, there is seldom a farm without one or more silos, and the day is rapidly coming when the man without a silo will have a difficult time in making a profitable competition with the one who resorts to the use of the silo. This is true of all farm products and especially is it true of dairy products if the consumer has been led to the point where he is paying extremely large prices. As a matter of fact, he



Improved Silo.

is paying for dairy products almost as much as he can afford to pay and the dairy farmer should begin to realize that he is receiving extremely large prices for the commodities which he is producing. It is a shame and a disgrace for the farmer in the corn belt to be compelled to say that he cannot afford to produce butter for an average price of from 25 to 30 cents a pound the year through, or milk averaging when it reaches the consumer more than five cents a quart. This statement is in view of the fact that farmers in older countries are doing this very thing on land which rents annually for as much as a large portion of the land in the corn belt sells for. It is possible to make great profits out of the dairy business at the present prevailing prices of both dairy products and food stuffs, but it is



COW-BARN, BROOKHILL FARM, #1-66 GENESSEE, IOWA.

can be saved through its use. It was estimated that in the middle of January there was remaining in the cornfields of the corn belt from 20 to 25 per cent. of this last year's crop which could not be harvested on account of the severe snowy weather. As a result of this, much of this year's crop of corn was ruined and wasted. One of the largest corn raisers in Iowa who is also a dairyman and milks from 60 to 75 cows, had all of his corn crop under shelter where it could not be wasted in view of the fact that over 50 acres of his corn went at once into his enormous silos and was in good condition to afford the greatest amount of feeding nutrients in the most palatable and digestible form. The remainder of his corn was cut up at once and put into shocks to be shredded and the better portion of the shredded fodder used to supply dry matter for the cows in conjunction with the silage, and those portions which might be termed as waste were used as bedding to absorb the nitrogenous waste from the animals and returned again to the field during the late winter or early spring in the form of fertilizing constituents for the upbuilding of the fields from which the crop itself was taken.

necessary for the farmer and dairyman to surround his efforts with better conditions in the form of better cows, better feed produced more intelligently and combined more thoughtfully. In other words, the time is close at hand when the up-to-date farmer will be vastly different from the farmer and dairyman that we have known in the past. He will place himself more in a position of the business man, the merchant or the manufacturer. He will be acquainted with every individual animal upon his farm even as is the merchant acquainted with everyone of his customers. He will be acquainted with every feature pertaining to every acre of ground of which his farm is made up, even as the manufacturer is acquainted with every machine in his factory. Whenever this time comes conditions on the farm will not only be more intensive but methods will be more diversified and although it is difficult to predict that prices of farm commodities will be much greater than they are at the present time, it is a certainty that farms will be more valuable and the commodities that are now being produced upon the farm, especially the dairy products, will be produced for a much less cost per pound than at the present time.

MISSOURI STATE NEWS

No Cross State Flight.

Although \$12,000 was raised as a prize and the route was laid out for the trans-state aeroplane flight from St. Louis to Kansas City, to have been begun August 24, the aerial attraction, which was inspired by the board of immigration, has been called off indefinitely. Failure of the committees to secure aviators is given as the reason why the flight has been abandoned. To those towns along the proposed route, where it was planned for aviators to land temporarily, and which had contributed toward the event, Chief Immigration Commissioner John H. Curran sent letters informing the commercial bodies of the towns that the flight would not be held, as advertised. The towns over which the flight was to have been made to Kansas City were St. Charles, Montgomery City, Mexico, Sturgeon, Huntsville, Carrollton and Lexington, thence to Kansas City. While not attempting to criticize, Commissioner Curran holds that no blame for the postponement of the flight can rest on the immigration board, because the board, he says, secured the money according to agreement and laid out the route, and the aero clubs of St. Louis and Kansas City were to perform their part of the programme by securing the aviators.

A Welcome of Other Days.

The Show-You congress, to be held at Moberly, September 7, 8, and 9, will have as a woman's department a tent with the appearance in the interior of an old-fashioned Missouri cottage. An old-fashioned well, sweep and curb, from which sparkling Missouri water will be handed out to thirsty ones, in gourds, will also be shown. Designed to be a retreat for those who are home-comers to Missouri, a further feature will be a lawn stretching from the tent, and on this will be placed settees and hammocks, where rest can be taken. A delegation of northern Missouri women will have charge of the tent, and, to still further carry out their idea of depicting olden days, will wear homespun linsey aprons and old-fashioned poke bonnets. They will give souvenirs to visitors and a quartet of girls will at intervals sing the favorite songs of half a century ago. Spinning wheels and looms will also be placed in the cottage to give it a more realistic appearance.

Wrights Elect Officers.

The Wright Family Association of America, composed of 175 persons, in family reunion which met at Columbia elected these officers: J. Kelly Wright, Columbia, president; W. D. Wright of St. Louis, secretary; Harriett L. Wright, Columbia, assistant secretary; Paul M. Wright of Columbia, treasurer. The officers will call the next reunion two years from now, and will serve until then. The Wrights are descended from Adam Wright of New England, who lived ten generations ago and married Jane Hugart, removing to Botetourt county, Virginia. They had 13 children, eight daughters and five sons. From these all the Wrights are descended. There are known to be over 400 members of the family scattered over the United States.

Schoolmate of Daughter.

Harry R. Williams of Jackson, United States consul at Costa Rica during Cleveland's administration and a graduate of the University of Missouri in 1884, has made arrangements to enter the agricultural college of Missouri university this fall, and will attend lectures regularly, while his daughter, Miss Irene Williams, is a student in the college of arts and science. She will be a freshman. Her father will be a special student.

To Inspect Ozark Schools.

To inspect the rural schools in the heart of the Ozarks, Dean W. W. Charters, of the School of Education at the University of Missouri, and Prof. R. H. Emberson of the chair of rural education left to spend two weeks in Stone, Taney, Ozark and Douglas counties. Most of the traveling they will do will be on foot, horseback or in farm wagons.

To Tap Harrisburg Coal Field.

J. L. McElree, representing the St. Louis and Kansas City Electric Railway Company, has made first payment on the thirty-year leases which the company holds on a body of 1,000 acres of coal lands near Harrisburg, Boone county. A spur track will be built from Columbia to Harrisburg to tap the coal fields. A blanket vein 4 feet thick is known to exist.

A M. S. U. Teacher to Minnesota. Dr. E. T. Bell, assistant professor of anatomy in the school of medicine of the University of Missouri, has been notified of his election to a similar position at the University of Minnesota.

A TRAIN LOAD OF TOBACCO.

Twenty-four Carloads Purchased for Lewis' Single Binder Cigar Factory.

What is probably the biggest lot of all fancy grade tobacco held by any factory in the United States has just been purchased by Frank P. Lewis, of Peoria, for the manufacture of Lewis' Single Binder Cigars. The lot will make twenty-four carloads, and is selected from what is considered by experts to be the finest crop raised in many years. The purchase of tobacco is sufficient to last the factory more than two years. An extra price was paid for the selection. Smokers of Lewis' Single Binder Cigars will appreciate this tobacco.

—Peoria Star, January 16, 1909.

Deduction in a Street Car.

The Heavyweight—Pardon me, did I step on your foot, sir?
Coogan—If yez didn't, begorry, then the roof must hev fell on it.—Puck.

Dr. Pierce's Pleasant Pellets regulate and invigorate stomach, liver and bowels. Sugar-coated, tiny granules. Easy to take as candy.

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Just as cooling as the bottom step in the spring house. You'll find it relieves fatigue too, and washes away all the dust and thirst as nothing else will. It touches the spot.
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